

BIBLIOGRAPHICAL RECORD.

Authors and Societies are requested to forward their works to the Editor at the earliest date possible. We ask our readers to inform us of the publication especially of those works which are not generally consulted by entomologists.

B. Pickman Mann.

(Continued from page 151.)

The **Can. Entom.**, vol. vi, (continued), contains Nos. 417 to 445.

* 417. WM. SAUNDERS. Interesting Captures. p. 140.

List of 13 butterflies, 1 moth, 2 beetles collected in Essex Co., Ontario, by Mr. F. C. Lowe.

* 418. WM. SAUNDERS. On some of our Common Insects. 18. — The Spotted Pelidnota — *Pelidnota punctata*, Linn. p. 141-142, fig. 24.

Habits; description of larva and imago; figure of these and of the pupa.

* 419. S. H. SCUDDER. The Linnean Signification of the Generic Term Papilio. p. 143-145.

Reasons for considering *Antiope* the type of *Papilio*. [See Rec., No. 426.]

* 420. W. V. ANDREWS. Entomological Notes. p. 145-147.

Notes on "Controlling Sex in Lepidoptera" [see Amer. Nat., vol. vii, p. 129-132, and Newman's Entomologist, year ?1874]; on the article cited in this Rec., No. 401.

* 421. WM. SAUNDERS. On the Larva of *Catocala Utronia*, Hubn. p. 147-149.

Description of the larva; its habits.

* 422. A. R. GROTE. Preliminary Catalogue of the Noctuidæ of California. p. 154-157, p. 214-217. [Continued in vol. vii; see Rec., No. 456.]

List of 50 species, with notes; describes *Acronycta perdita*, *Agrotis fuscigerus*, *A. Hollemani*, *Hadena divesta* = 4 n. spp.; discusses the generic names *Gortyna*, *Hydroecia* and *Ochria*.

* 423. W. H. EDWARDS. *Grapta comma* and *dryas*. p. 167.

Proof that these are forms of one dimorphic species.

* 424. H. H. LYMAN. Miscellaneous Notes. p. 158.

Abundance of *Clisiocampa sylvatica*, *C. americana* and *Lachnosterna quercina* at Montreal; imago of *Papilio turnus* feeding on cow-dung; moths caught at Portland; description of the egg of *Gastropacha americana*.

* 425. WM. SAUNDERS. The American Association. p. 161-163.

Sketch of some of the entomological doings at the Hartford meeting

(Aug. 1874) of the A. A. A. S.; constitution of the Entomological Club of the A. A. A. S.

* 426. H. A. HAGEN. The Linnean Signification of the Generic Term Papilio. p. 163-166.

Remarks upon the article cited in this Rec., No. 419; Linné never gave vernacular names to animals; reasons for reaching a conclusion different from Mr. Scudder's; the idea of type involved in this reasoning a recent innovation.

* 427. A. R. GROTE. Notes on the "List" of 1868. p. 170-171.

Comparison of *Sesia uniformis*, *ruficaulis* and *diffinis*; *Smerinthus pallens* Streck. = *Cressonia juglandis* ♀; *Dysodea* = *Platythyris*; remarks on species of the latter genus.

* 428. T. G. GENTRY. Notes on *Megachile centuncularis*. p. 171-175.

Description of cells found underground in the fall, and of others found in the spring in mud cells apparently made by a *Pelopoeus*; wild speculations.

* 429. BEVERLEY R. MORRIS, M.D. Stray Notes on Canadian Diptera. p. 176-178.

List of 17 named and 5 undetermined species taken at Toronto, Gorham or Portland, with notes.

* 430. A. R. GROTE. Explanatory. p. 178-179.

Reply to strictures made by Mr. Streeker [see Rec., No. 79] concerning certain synonyms in the nomenclature of Noctuidae; synonymy of *Catocala ponderosa*. ♦

* 431. A. R. GROTE. Synonymical Note. p. 180.

Eudryas assinilis Boisd. = *E. grata*; synonymy of *Urania Rhipheus* and *U. orientalis*; correction of the article cited in this Rec., No. 372.

* 432. CHARLES J. S. BETHUNE. Annual Address of the President of the Entomological Society of Ontario, 1874. p. 181-186.

The year's work; extent of entomology; need of work to be done; remarks upon *Doryphora 10-lineata*, *Pieris rapae*, *Caloptenus spretus*, *Phyllozera vastatrix*; report of attendance upon the Hartford meeting of the A. A. A. S. [see Rec., No. 425].

* 433. J. L. LECONTE. On some Changes in the Nomenclature of North American Coleoptera, which have been recently proposed. p. 186-196:

Recommendation of non-concurrence with certain changes from established usage found in Crotch's Check List [see Rec., No. 43], with an argument for the recommendation; table of synonyms and table of homonyms of the 52 Geoffroyan genera.

* 434. W. F. KIRBY. Discrepancies in recent Lists of Lepidoptera. p. 196-197.

Reasons given why Kirby's Catalogue of Diurnal Lepidoptera and Staudinger's Catalogue of European Lepidoptera do not always agree in nomenclature.

* 435. A. R. GROTE. Brief Notice of Mr. Strecker's Last Issue (No. 10). p. 199.

Doubts regarding the date of this issue; note on *Macroglossa fumosa*; synonymy of *Sphinx eremitoides*, *Catocala magdalena*, *C. aspasia*.

* 436. J. L. LECONTE. On Entomological Nomenclature. Part I. — On the Law of Priority. p. 201-206.

Recommendation to "resist innovation" in nomenclature; citation of the canons supposed to govern nomenclature at present, with commentaries upon them.

* 437. C. V. RILEY. On the Insects more particularly associated with *Sarracenia variolaris* (Spotted Trumpet-Leaf). p. 207-214, fig. 25, 26.

[Subject indicated in Rec., Nos. 107, 143 c.]

* 438. MARY E. MURTFELDT. The Larvæ of *Depressaria dubitella* and *Gelechia rubensella*. p. 221-222.

Habits, food-plants and descriptions of these larvæ; *D. Chambersella* n. sp., named without description (!).

* 439. J. L. LECONTE. On Entomological Nomenclature. Part II. — On Generic Types. p. 223-226.

Modern misinterpretations of generic types; invalid generic names; exceptions to the rule of priority; suggestions of reform.

* 440. E. B. REED. On some of our Common Insects. — No. 15. The Io Moth — *Saturnia (Hyperchiria) Io* Fabr. p. 227-229, fig. 27-30.

Description; food plants; habits; figure of larva and imago.

* 441. V. T. CHAMBERS. Tineina from Texas. p. 229-249 [cont. in vol. vii; see Rec., No. 449].

Character of the Tineine fauna of Waco, Tex., as shown by a collection of about 250 specimens of 27 genera and 76 species; remarks on the ten not new species; describes ¹*Amatria? Clemens*, *Tinea obscurostrig* [corr.], *Anesychia multipunct*, *A. mirus*, *Harpalyce*, *H. tortric*, *H. alb*, *H. canus*, *Gelechia thoracealb*, *G. minimacul*, *G. ochreosuffus*, *G. depressostrig*, *G. pallidegrise* [corr.], *G. quadrinacul*, *G. Waco*, *G. crescentifasci*, *G. pullus*, *G. plut*, *G. s*, *G. trimacul*, *G. elegant*, *G. rufus*, *G. costarufu*, *G. subruber*, *G. maculimargin*, *G. argentialb*, *G. bidiscomacul*, *G. subalbus*, *G. parvipulv*, *G. lavern*, *G. citalinie*, *G. minim*, *Anarsia suffus*, *A. trimacul*, *Neda*, *N.*

¹ Every specific name ends in *ella*, omitted in the Record to save space.

phut, *Cleodora pallidestrig* [corr.], *C. pallid*, *Nothris grise*, *Holocera Clemens*, Polyhymno, *P. luteostrig*, *P? sexstrig* = 3 n. gen., 40 n. spp.

* 442. H. K. MORRISON. On a New Species of Ceramica. p. 249-251.

Describes *C. rubefacta*; validity of the genus; characters of genus Perigrapha; list of known species of Taenioampa.

* 443. H. K. MORRISON. On the Species referred to Orthodes by Guenee. p. 251-254.

Describes the genus, *O. infirma* (type), *O. cynica*, *Pseudorthodes* (n. g.), *Ps. vecors*; synonymy.

* 444. EDWARD NEWMAN. Obituary [notice of Francis Walker]. p. 255-259.

[Reprint from "The Entomologist."] Biographical details.

* 445. H. K. MORRISON. On *Cirroedia pampina* Guen. p. 259-260.

Reasons for referring pampina to *Cirroedia* rather than to *Atethmia*.

* 446. The **Can. Entom.**, vol. vii, contains the following, and Nos. 447 to 534.

Title page and List of Contributors. *a.* Our Seventh Volume [editorial preface], p. 1. *b.* Correction of an error on p. 92 of vol. vi [see Rec., No. 97] (by W. Couper), p. 19. *c.* Notice of Scudder's The Distribution of Insects in New Hampshire [see Rec., No. 368] and Species of the Lepidopterous genus Pamphila [see Rec., No. 376], p. 20; of Riley's Seventh Annual Report [see Rec., No. 311], p. 119-200; of The *Cinc. Quart. Journ. Sci.*, vol. ii, Nos. 2 and 4 [see Rec., Nos. 340, 343-344], pp. 120, 220; of *Field and Forest*, vol. i, Nos. 1 and 2, p. 140; of Edwards' *The Butterflies of North America*, ser. 2, part iii, p. 160; of Cook's *Injurious Insects of Michigan* [see Rec., No. 539], p. 200; of Riley's *Remarks on Canker Worms and Description of a New Genus of Phalaenidae*, p. 219; of Merrin's *The Lepidopterist's Calendar*, second edition [England], p. 219; of *Bull. Buff. Soc. Nat. Sci.* [see Rec., Nos. 203-223], vol. iii, No. 1, p. 219-220; of *The Scientific Monthly*, vol. i, No. 1, p. 220; of the *Amer. Nat.* [see Rec., Nos. 264-307], p. 244. *d.* The *Cossus* of the Greeks and Romans was probably the larva of *Lucanus cervus*, p. 24. *e.* Parasitic Diptera [*Gaurax anchora* reared from cocoon of *Samia cecropia*; *Blepharopeza adusta* from larvæ of *Spilosoma acraea*] (by C. R. Osten Saeken), p. 72. *f.* Local Lists of Butterflies [request that American collectors of Butterflies would send to the Editor lists of the species found in their neighborhoods, with notes on their abundance and other matters bearing upon the geographical distribution of the species], p. 72. *g.* Annual Meeting of the London Branch [of the E. S. O.] [list of officers elected], p. 76; of the Montreal Branch [list of officers elected; annual reports], p. 132-133; of the Entomological Society of Ontario [list of officers elected], p. 217.

h. Synopsis of Neuroptera [announcement of a new edition of Dr. Hagen's Synopsis of the Pseudo-Neuroptera and Neuroptera of North America, and request for contribution of materials], p. 76. i. On the Use of Cyanide of Potassium [directions for catching and killing moths, "etc."] (by Joseph E. Chase), p. 97-98. j. Entomological Club of the American Association for the Advancement of Science [announcement of meeting to be held at Detroit, Aug. 10, 1875], p. 118-119. k. Important to Entomologists [further announcement of next meeting of Entom. Club. A. A. A. S., and call for a large attendance], p. 121-122. l. *Pieris rapæ* [spreading westward in Ontario] (by W. Saunders), p. 163. m. *Pterophorus periscelidactylus* [capture of this species (at ? Kingston, Ont.), Oct. 31, while the thermometer was several degrees below freezing] (by R. V. Rogers), p. 218. n. Petitions for exchanges [offering insects of Nebraska and Kansas, and Coleoptera of New York, the Gulf States, Europe, Australia and New Zealand] (by J. M. Grant, George P. Cooper, F. G. Schaupp [mispr.], W. V. Andrews), p. 219. o. Canadian Entomologist [full sets can now be supplied], p. 220. Index, p. 249-252.

Proceedings of the Club.

§ 9. MIMICRY. MR. SCUDDER spoke of the mimicry between *Basilarchia Disippe* and the co-territorial species of *Danaus*; where *Plexippus* is the more abundant species of *Danaus*, the mimicking *B. Disippe* wholly resembles it in color; but where *D. Berenice* prevails (as in the extreme south) the color of the mimicking species darkens so as to resemble it. He did not think that we had yet reached a satisfactory solution of the facts of mimicry. If the object of mimicry is the protection of the insect, why does it not occur more frequently in those stages of the insect's life when the animal is peculiarly liable to attack from such foes as mimicry is presumed to blind? Nine-tenths at least of every brood of any given insect are destroyed during the larval period, and so far as he was aware, there was but a single instance known, in which one caterpillar mimicked another less liable than itself to the attacks of foes. He referred to the mimicry, said by Boisduval to be shown by the African *Diadema Bolina* to *Danaus Chrysippus*.

(March 13, 1874.)

MR. E. BURGESS called attention to the imitation of twigs which obtains in many larvæ of Phalaenidae, as examples of protective mimicry in the early stages of Lepidoptera.

(April 10, 1874.)